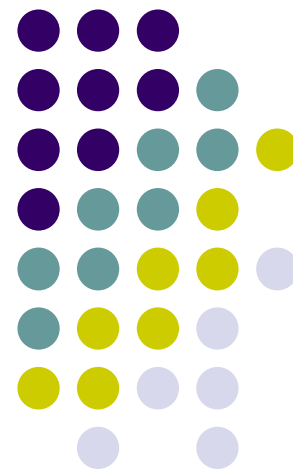
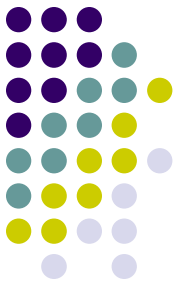


A practical introduction to word embedding techniques

Before our Lab





Before our Lab class

If you **have a laptop** with you:

- 1) Install the latest version of R
- 2) For **Windows platforms**: install the latest version of Rtools (i.e., Rtools 4) from here (<https://cran.r-project.org/bin/windows/Rtools/>)

For **OS X**, do the following:

- a) First try to install Quanteda directly
- b) If you fail in doing that, install [XCode](#) from the App Store



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c) To install XCode, follow these simple rules:

1 Access to “Apple Developer”

<https://developer.apple.com/download/more/>

(You need Apple ID and password)

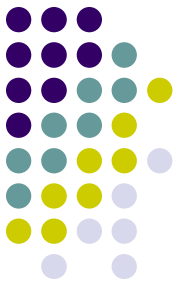
2 Insert “Xcode” in “Search Downloads” located on the left side of the page.

3 Choose “Xcode 12” and download.

4 After finishing download, click "Finder" and then "download."
Double click “Xcode 12”. It may take a while to open this file

d) If you have problems to install the **latest version** of Xcode, **uses an earlier one**, such as Xcode 9!

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- e) To make things even more complicated for Mac users: the latest R could not be compatible with the most recent Xcode. In that case, they the second most recent version of R
- 5 In case somebody encounters *still* some problems: you could need also to install the fortran compiler as described here: <https://mac.r-project.org/tools/> (GNU Fortran compiler -> Apple silicon Macs) for the `quanteda/quanteda.textmodels` package

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Install the following packages by running these lines:

```
install.packages('quanteda', repos='http://cran.us.r-project.org')
```

```
install.packages('quanteda.textplots', repos='http://cran.us.r-project.org')
```

```
install.packages('readtext', repos='http://cran.us.r-project.org')
```

```
install.packages('ggplot2', repos='http://cran.us.r-project.org')
```

```
install.packages('plotly', repos='http://cran.us.r-project.org')
```

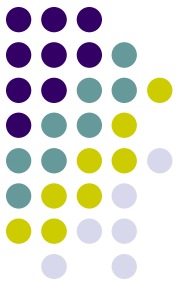
```
install.packages('randomForest', repos='http://cran.us.r-project.org')
```

```
install.packages('caret', repos='http://cran.us.r-project.org')
```

```
install.packages("Rtsne", repos='http://cran.us.r-project.org')
```

```
install.packages("text2vec", repos='http://cran.us.r-project.org')
```

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Finally download the following datasets that we will employ in the lab-class:

1. [Training-set Movie Reviews](#)
2. [Test-set Movie Reviews](#)
3. [Pre-trained WE](#)